Measuring method and circuitry for the determination of the trip current of residual current breakers

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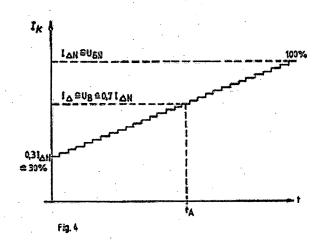
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Abstract of EP0368030

The trip current (I DELTA) of a residual-current breaker is to be measured with the aid of a rising test current (IK). At the same time, the same twoterminal measuring device is to be used for measuring the contact voltage (UB) occurring at the tripping time (tA). Initially, the contact voltage (UBN) referred to the rated fault current (I DELTA N) is measured and then the test current (IK) is increased in predetermined steps. The steps are counted. The number of steps at the tripping time (tA) corresponds, referred to the total number of steps, both to the trip current (I DELTA) and to the associated contact voltage (UB). The measurement is applied in measuring and test instruments which are equipped with a computer.



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